



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

March 24, 2005

Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Attn: Diana Whitney

RECEIVED  
MAR 28 2005  
DIV. OF OIL, GAS & MINING

Re: Gasco Production Company  
Gate Canyon State #34-21-11-15  
845' FSL and 1995' FEL  
SW SE Section 21, T11S - R15E  
Duchesne County, Utah

Diana,

Enclosed please find two copies of the Application for Permit to Drill, along with the required drilling program, BOP diagram, wellsite maps and diagrams.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Venessa Langmacher  
Consultant for  
Gasco Production Company

Enc.

cc: Gasco Production Company - Englewood, CO  
Shawn Elworthy - Roosevelt, UT  
Utah Division of Oil, Gas & Mining - Roosevelt, UT  
Utah State Lands - SLC, UT

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

001

# APPLICATION FOR PERMIT TO DRILL

|  |   |  |                         |
|--|---|--|-------------------------|
| 1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>   |   | 5. MINERAL LEASE NO.:<br>ML-49608  | 6. SURFACE:<br>State    |
| B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |   | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>N/A                             |                         |
| 2. NAME OF OPERATOR:<br>Gasco Production Company   |   | 8. UNIT or CA AGREEMENT NAME:<br>Gate Canyon                             |                         |
| 3. NAME OF AGENT:<br>Permit Co Inc.  |   | 9. WELL NAME and NUMBER:<br>Gate Canyon State #34-21-11-15               |                         |
| 4. LOCATION OF WELL (FOOTAGES)<br>AT SURFACE: 845' FSL and 1995' FEL<br>AT PROPOSED PRODUCING ZONE: SW SE  |   | 10. FIELD AND POOL, OR WILDCAT:<br>Wildcat                               |                         |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:<br>Approximately 2937 miles southeast of Myton, UT   |   | 11. QTR/QTR, SECTION, TOWNSHIP, RANGE<br>MERIDIAN:<br>Sec. 21, T11S-R15E | 12. COUNTY:<br>Duchesne |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)<br>845'  | 16. NUMBER OF ACRES IN LEASE:<br>1560         | 13. STATE:<br>Utah   |                         |
| 18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET):<br>3650'  | 19. PROPOSED DEPTH:<br>11,200'                | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL:<br>40 Acres                   |                         |
| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):<br>6707' GL  | 22. APPROXIMATE DATE WORK WILL START:<br>ASAP | 20. BOND DESCRIPTION:<br>Bond #UT-1233                                   |                         |
|  |   | 23. ESTIMATED DURATION:<br>35 Days                                       |                         |

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | CASING SIZE, GRADE, AND WEIGHT PER FOOT | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT                                      |
|--------------|---|---------------|--|
| 17-1/2"      | 13-3/8", H40, 48#                       | 170'          | 180 sx Class "G", 2% CaCl2, yield 1.18   |
| 12-1/4"      | 8-5/8", J-55, 32#                       | 2,880'        | 454 sx Hi-Lift @ 11.0 ppg, yield 3.91 + 185 sx 10-2 RFC @ 14.2 ppg, yield 1.63       |
| 7-7/8"       | 4-1/2", P110, 13.5#                     | 11,200'       | 366 sx Hi-Lift @ 11.5 ppg, yield 3.05 + 1296 sx 50/50 Poz "G" @ 14.1 ppg, yield 1.28 |
|              |   |               |  |
|              |   |               |  |
|              |   |               |  |
|              |   |               |  |
|              |   |               |  |

## ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

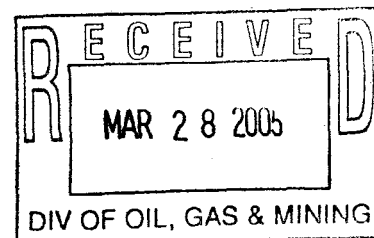
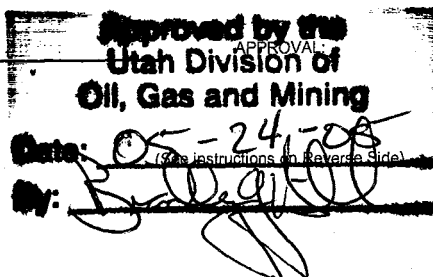
- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PROGRAM                                |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Venessa Langmacher TITLE Agent for Gasco Production Company  
SIGNATURE Venessa Langmacher DATE March 24, 2005

(This space for State use only)

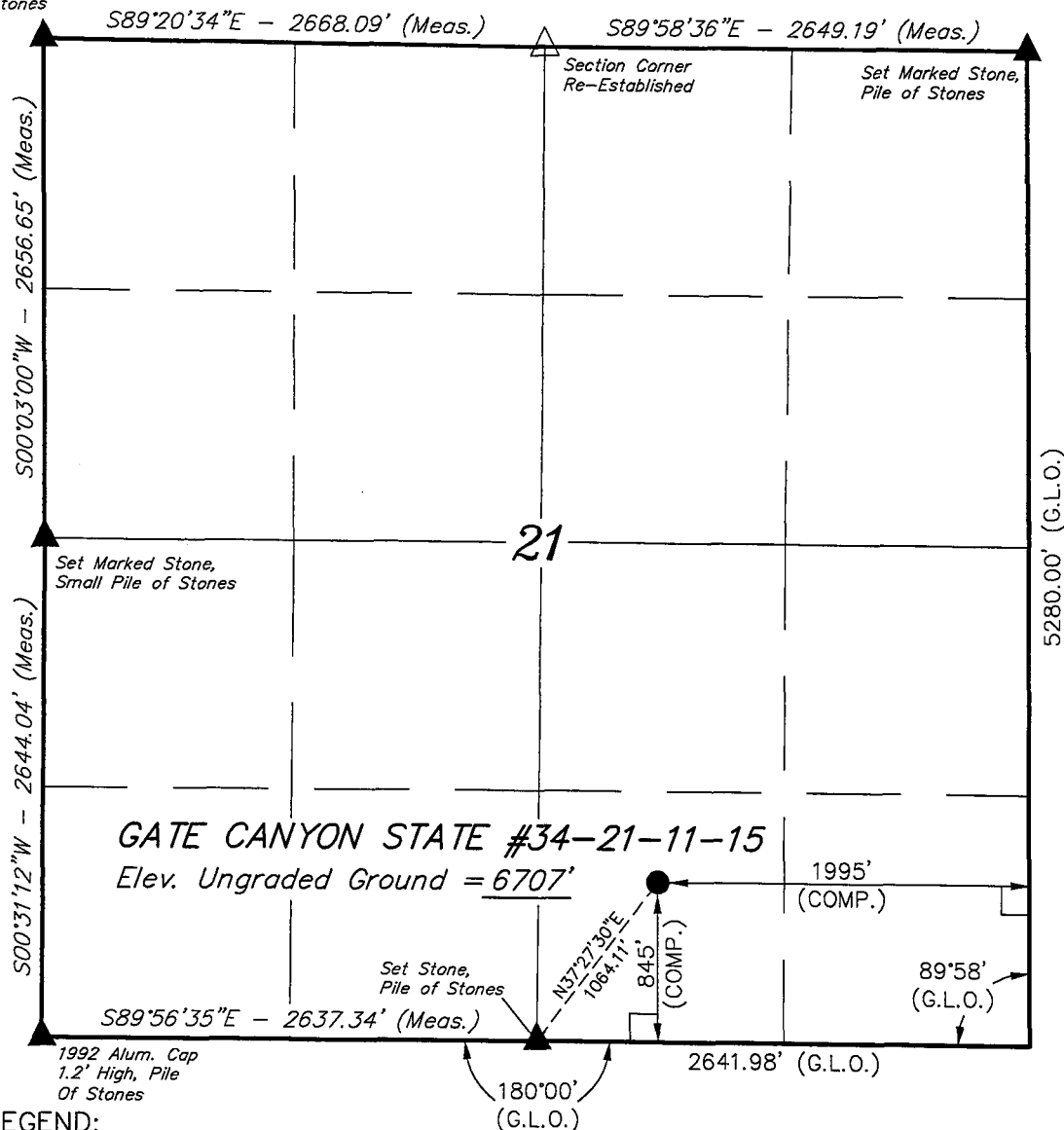
API NUMBER ASSIGNED:

43013-32777



T11S, R15E, S.L.B.&M.

Set Stone, Pile  
of Stones



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED.  
USING BEARING TREES (Not Set on Ground)

(AUTONOMOUS NAD 83)  
 LATITUDE = 39°50'15.81" (39.837725)  
 LONGITUDE = 110°14'14.52" (110.237367)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 39°50'15.94" (39.837761)  
 LONGITUDE = 110°14'11.96" (110.236656)

**GASCO PRODUCTION COMPANY**

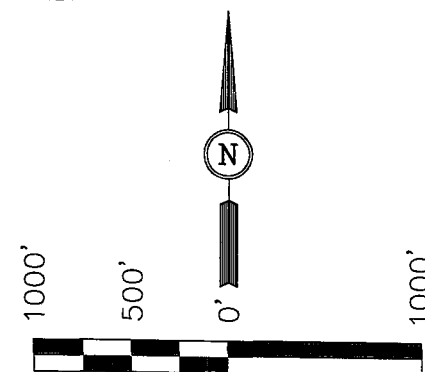
Well Location, GATE CANYON STATE  
 #34-21-11-15, located as shown in the SW  
 1/4 SE 1/4 of Section 21, T11S, R15E,  
 S.L.B.&M. Duchesne County, Utah.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**BASIS OF ELEVATION**

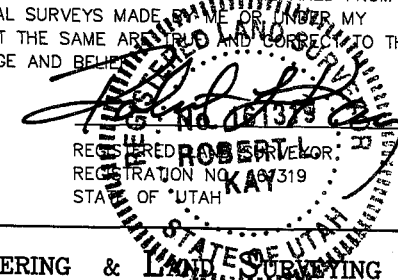
TRIANGULATION STATION (NINE) LOCATED IN THE  
 SW 1/4 SW 1/4 OF SECTION 1, T12S, R15E, S.L.B.&M.  
 TAKEN FROM THE COWBOY BENCH, QUADRANGLE, UTAH,  
 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED  
 BY THE UNITED STATES DEPARTMENT OF THE INTERIOR,  
 GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS  
 BEING 6845 FEET.



SCALE

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
 BEST OF MY KNOWLEDGE AND BELIEF.



**UTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

|                           |                                  |                        |
|---------------------------|----------------------------------|------------------------|
| SCALE<br>1" = 1000'       | DATE SURVEYED:<br>3-4-05         | DATE DRAWN:<br>3-15-05 |
| PARTY<br>B.B. J.M. E.C.O. | REFERENCES<br>G.L.O. PLAT        |                        |
| WEATHER<br>COOL           | FILE<br>GASCO PRODUCTION COMPANY |                        |

Gate Canyon State #34-21-11-15  
845' FSL and 1995' FEL  
SW SE Section 21, T11S - R15E  
Duchesne County, Utah

Prepared For:

Gasco Production Company

By:

PERMITCO INC.  
14421 County Road 10  
Fort Lupton, CO 80621  
303/857-9999

Copies Sent To:

- 2 - Utah Division of Oil, Gas & Mining - SLC, UT  
1 - Utah Division of Oil, Gas & Mining - Roosevelt, UT  
1 - Utah State Lands - SLC, UT  
2 - Gasco Production Company - Englewood, CO  
1 - Shawn Elworthy - Roosevelt, UT



The proposed wellsite is located on State Surface/State Minerals.

**1. Estimated Tops/Geologic Markers**

The estimated tops of important geologic markers are as follows:

| <i>Formation</i> | <i>Depth</i> | <i>Subsea</i> |
|------------------|--------------|---------------|
| Wasatch          | 3,230'       | +3,500'       |
| Mesaverde        | 7,330'       | -600'         |
| Castlegate       | 9,830'       | -3,100'       |
| Blackhawk        | 10,080'      | -3,350'       |
| Panther          | 10,905'      | -4,175'       |
| T.D.             | 11,200'      | -4,470'       |

**2. Estimated Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.**

| <i>Substance</i> | <i>Formation</i> | <i>Depth</i>    |
|------------------|------------------|-----------------|
| Gas              | Wasatch          | 3,500'-7,330'   |
| Gas              | Mesa Verde       | 7,330'-9,830'   |
| Gas              | Blackhawk        | 10,080'-11,100' |

**3. Well Control Equipment & Testing Procedures**

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double, 5000 psi w.p.



Gasco will comply with all requirements pertaining to well control as listed in the Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

The size and rating of the BOP stack is shown on the attached diagram.

#### 4. Casing Program

The proposed casing program will be as follows:

| <i>Purpose</i> | <i>Depth</i> | <i>Hole Size</i> | <i>O.D.</i> | <i>Weight</i> | <i>Grade</i> | <i>Type</i> | <i>New/Used</i> |
|----------------|--------------|------------------|-------------|---------------|--------------|-------------|-----------------|
| Conductor      | 0-170'       | 17-1/2"          | 13-3/8"     | 48#           | H-40         | ST&C        | New             |
| Surface        | 0-2,880'     | 12-1/4"          | 8-5/8"      | 32#           | J-55         | ST&C        | New             |
| Production     | 0-11,200'    | 7-7/8"           | 4-1/2"      | 13.5#         | P-110        | LT&C        | New             |

Casing design subject to revision based on geologic conditions encountered.

#### 5. Cement Program

| <i>Conductor</i>  | <i>Type and Amount</i>  |
|-------------------|---|
| TOC @ Surface     | 180 sxs Class "G", 2% CaCl <sub>2</sub> , yield 1.18  |
| <i>Surface</i>    | <i>Type and Amount</i>  |
| TOC @ Surface     | Lead: 454 sx Hi-Lift @ 11.0 ppg, 3.91 yield<br>Tail: 185 sx 10-2 RFC @ 14.2 ppg, 1.63 yield       |
| <i>Production</i> | <i>Type and Amount</i>  |
| TOC @ 2,500'      | Lead: 366 sx Hi-Lift @ 11.5 ppg, 3.05 yield<br>Tail: 1296 sx 50/50 Poz "G" @ 14.1 ppg, 1.28 yield |



**6. Drilling Fluids**

The proposed circulating mediums to be employed in drilling are as follows:

| Interval      | Mud Type        | Mud Wt.  | Visc. | F/L   | PH  |
|---------------|-----------------|----------|-------|-------|-----|
| 0 - 2880'     | Water           | ---      | ---   | ---   | --- |
| 2880' - 9000' | Native Mud      | 8.4-8.8  | ---   | ---   | --- |
| 9000' - T.D.  | DAP Polymer Mud | 9.0-11.1 | 30-40 | 15-20 | 7-8 |

**7. Testing, Logging and Coring**

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated.
- b. The logging program will consist of a Schlumberger Platform Express from Base of Surface Casing to T.D.
- c. No cores are anticipated.

**8. Anticipated Pressures and H<sub>2</sub>S**

- a. No H<sub>2</sub>S is expected. The maximum anticipated bottom hole pressure is 6464 psi.

**9. Water Source**

- a. All water used for the drilling of this well will be purchased the Nebeker Water Station in Myton, UT. Permit No. 43-1723.



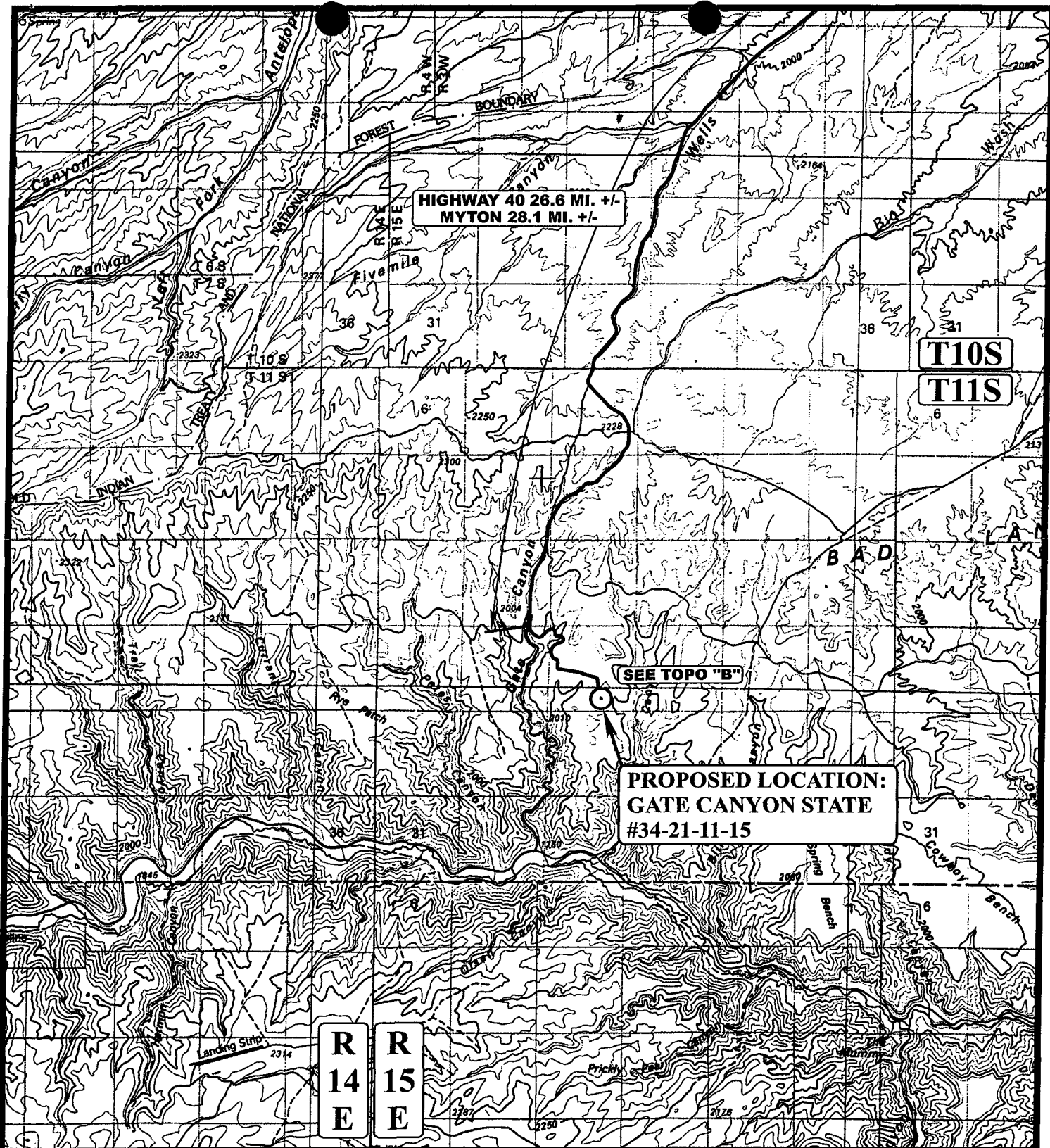
**10. Other Information**

- a. Drilling is planned to commence upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 35 days.
- c. Lining of the reserve pit will be done if deemed necessary by the Utah Division of Oil, Gas and Mining.
- d. At the end of drilling operations the location will be reclaimed and re-seeded as requested by the surface owner.
- e. Surface Ownership

State of Utah







# LEGEND:

○ PROPOSED LOCATION



## GASCO PRODUCTION COMPANY

GATE CANYON STATE #34-21-11-15  
SECTION 21, T11S, R15E, S.L.B.&M.  
845' FSL 1995' FEL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

03 09 05  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.H. REVISED: 00-00-00



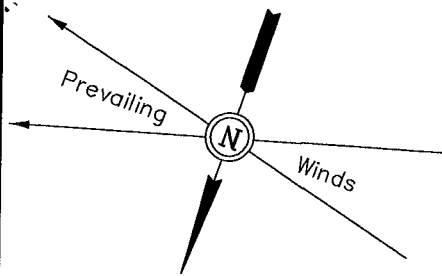
# GASCO PRODUCTION COMPANY

## LOCATION LAYOUT FOR

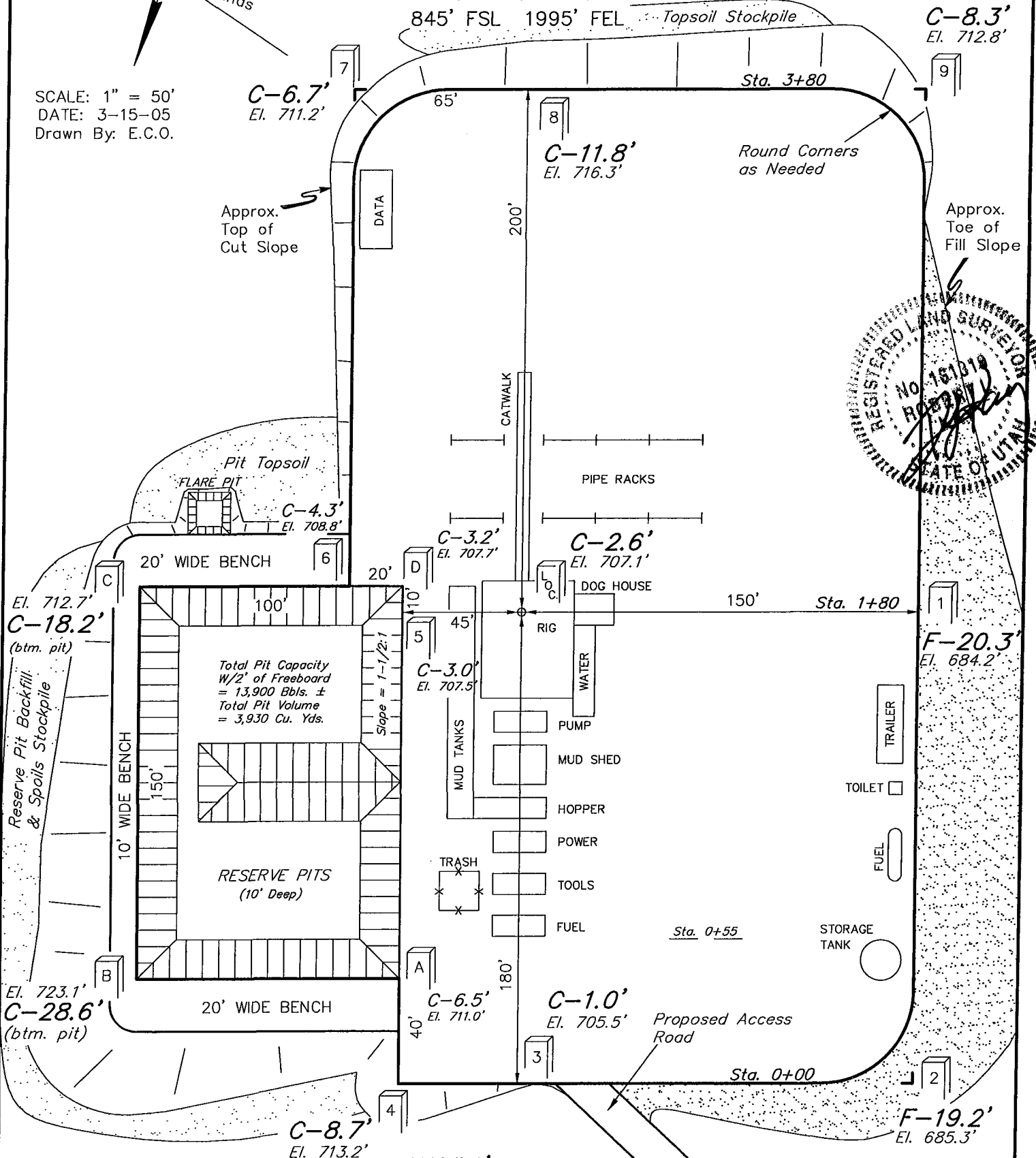
GATE CANYON STATE #34-21-11-15

SECTION 21, T11S, R15E, S.L.B.&M.

845' FSL 1995' FEL Topsoil Stockpile



SCALE: 1" = 50'  
DATE: 3-15-05  
Drawn By: E.C.O.



Elev. Ungraded Ground at Location Stake = 6707.1'  
Elev. Graded Ground at Location Stake = 6704.5'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

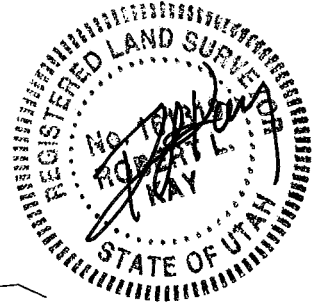
# GASCO PRODUCTION COMPANY

## TYPICAL CROSS SECTIONS FOR

GATE CANYON STATE #34-21-11-15

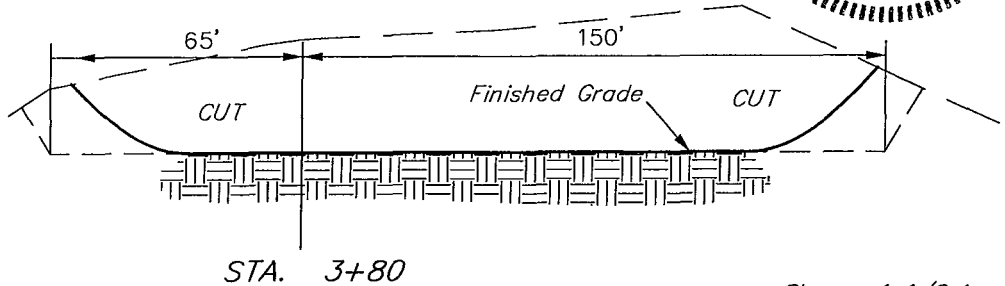
SECTION 21, T11S, R15E, S.L.B.&M.

845' FSL 1995' FEL

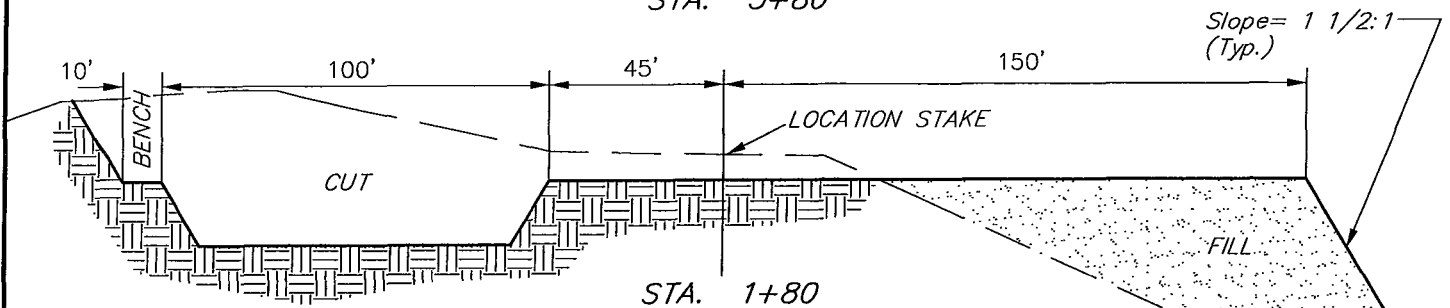


1" = 20'  
X-Section  
Scale  
1" = 50'

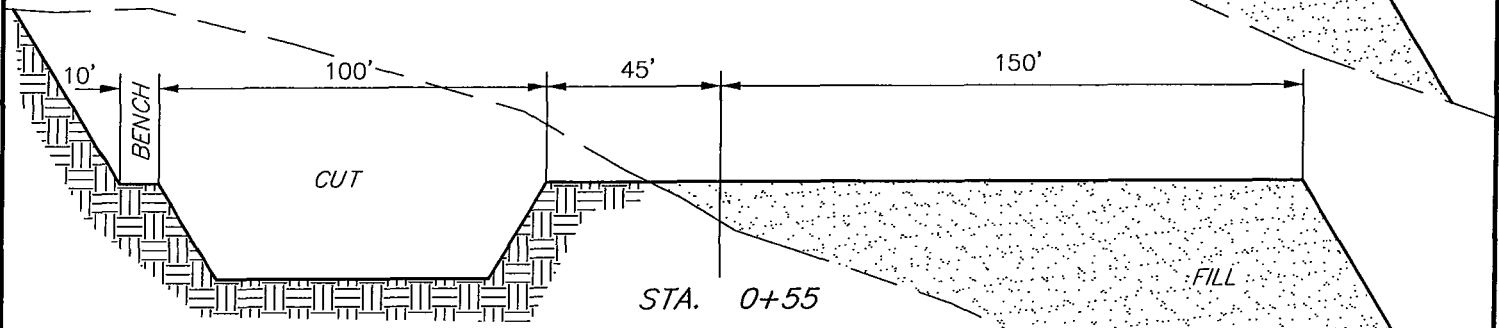
DATE: 3-15-05  
Drawn By: E.C.O.



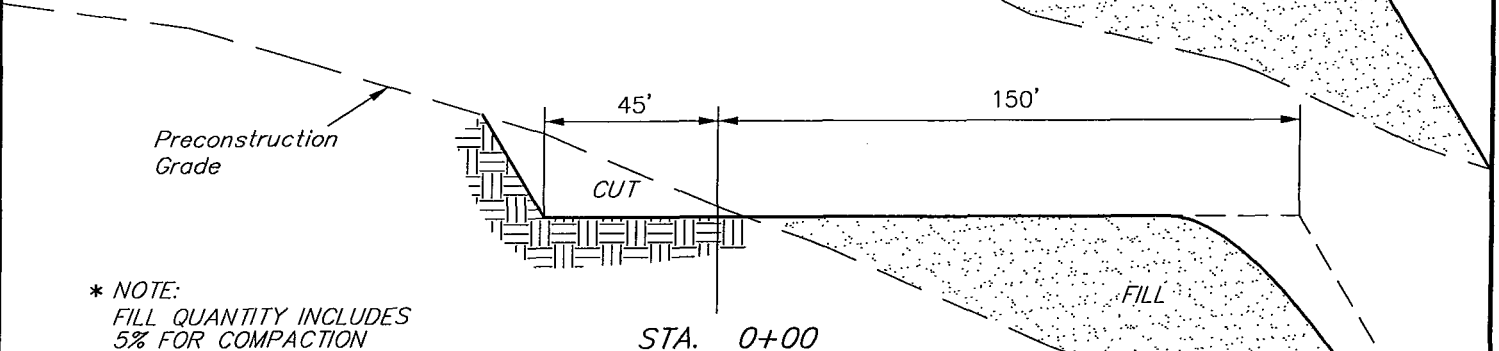
STA. 3+80



STA. 1+80



STA. 0+55



STA. 0+00

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

#### CUT

(6") Topsoil Stripping = 2,430 Cu. Yds.

Remaining Location = 22,380 Cu. Yds.

TOTAL CUT = 24,810 CU.YDS.

FILL = 20,410 CU.YDS.

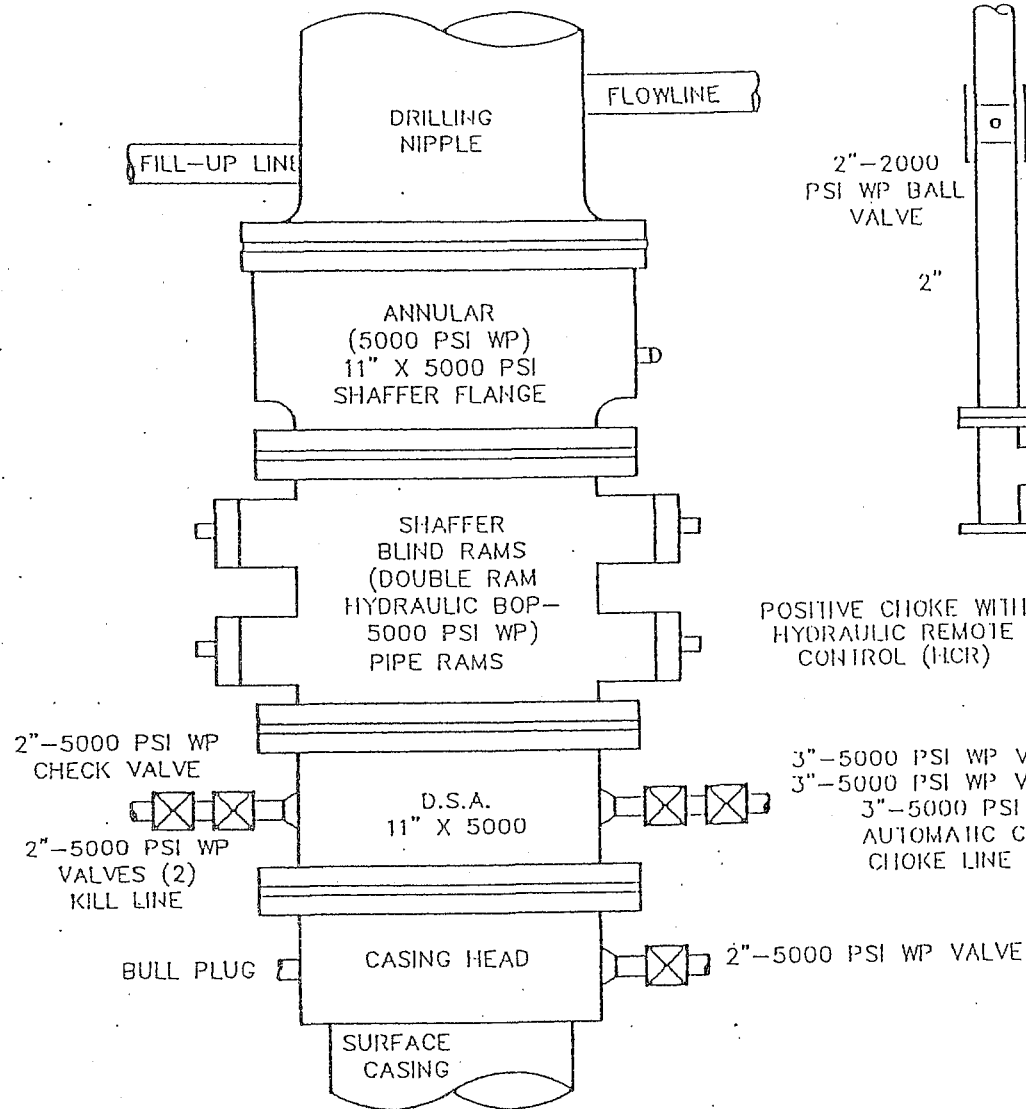
EXCESS MATERIAL = 4,400 Cu. Yds.

Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 4,400 Cu. Yds.

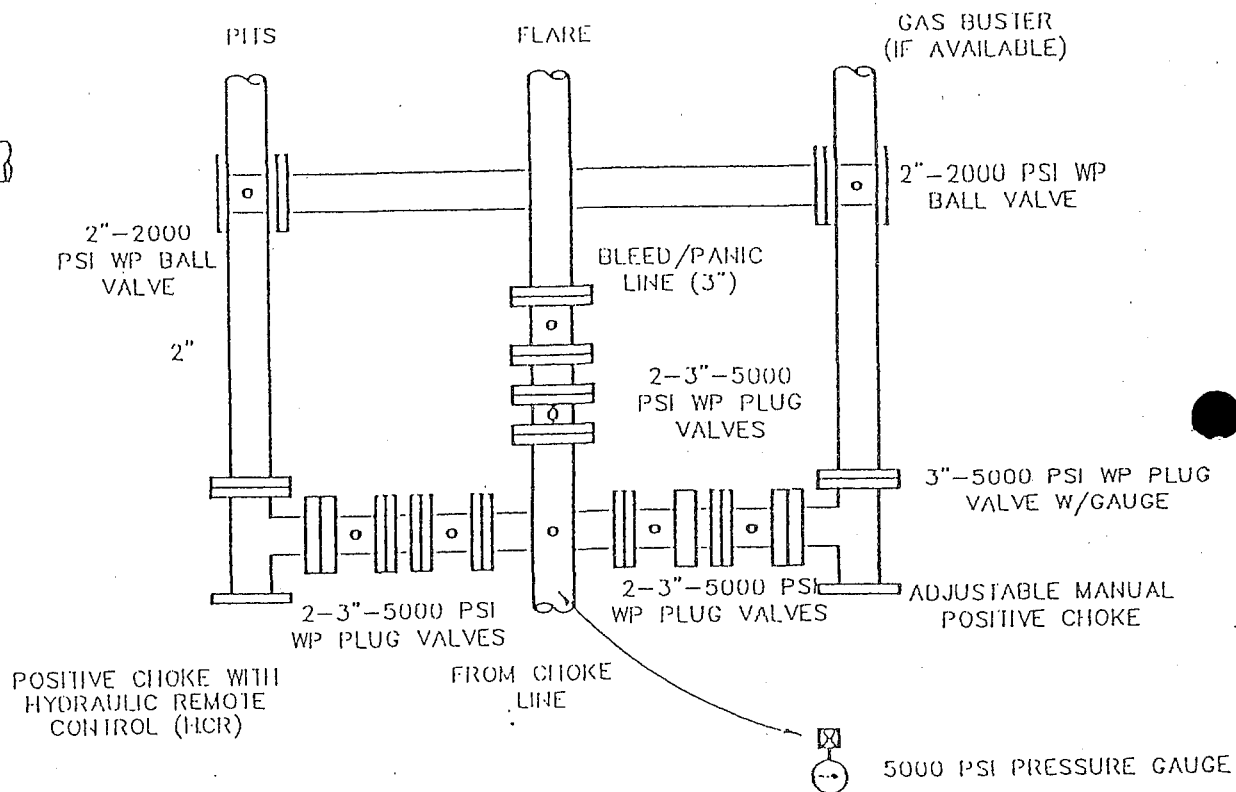
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

# BOP SCHEMATIC 5000 PSI WORKING PRESSURE



## PLAN VIEW CHOKER MANIFOLD



THE HYDRAULIC CLOSING UNIT WILL BE LOCATED MORE THAN 30' FROM THE WELLHEAD. CHOKER AND BLEED/PANIC LINES WILL GO TO THE PIT AND FLARE. ALL CONNECTIONS IN CHOKER LINES AND MANIFOLD WILL BE FLANGED OR WELDED. ALL FLANGES SHOULD BE RING JOINT GASKET TYPE. ALL TURNS IN LINES SHALL BE CONSTRUCTED USING TARGETING 90° TEES OR ELLS. ALL LINES SHALL BE ANCHORED.

**GASCO PRODUCTION COMPANY**  
**GATE CANYON STATE #34-21-11-15**  
LOCATED IN DUCHESNE COUNTY, UTAH  
SECTION 21, T11S, R15E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**03 09 05**  
MONTH DAY YEAR

**PHOTO**

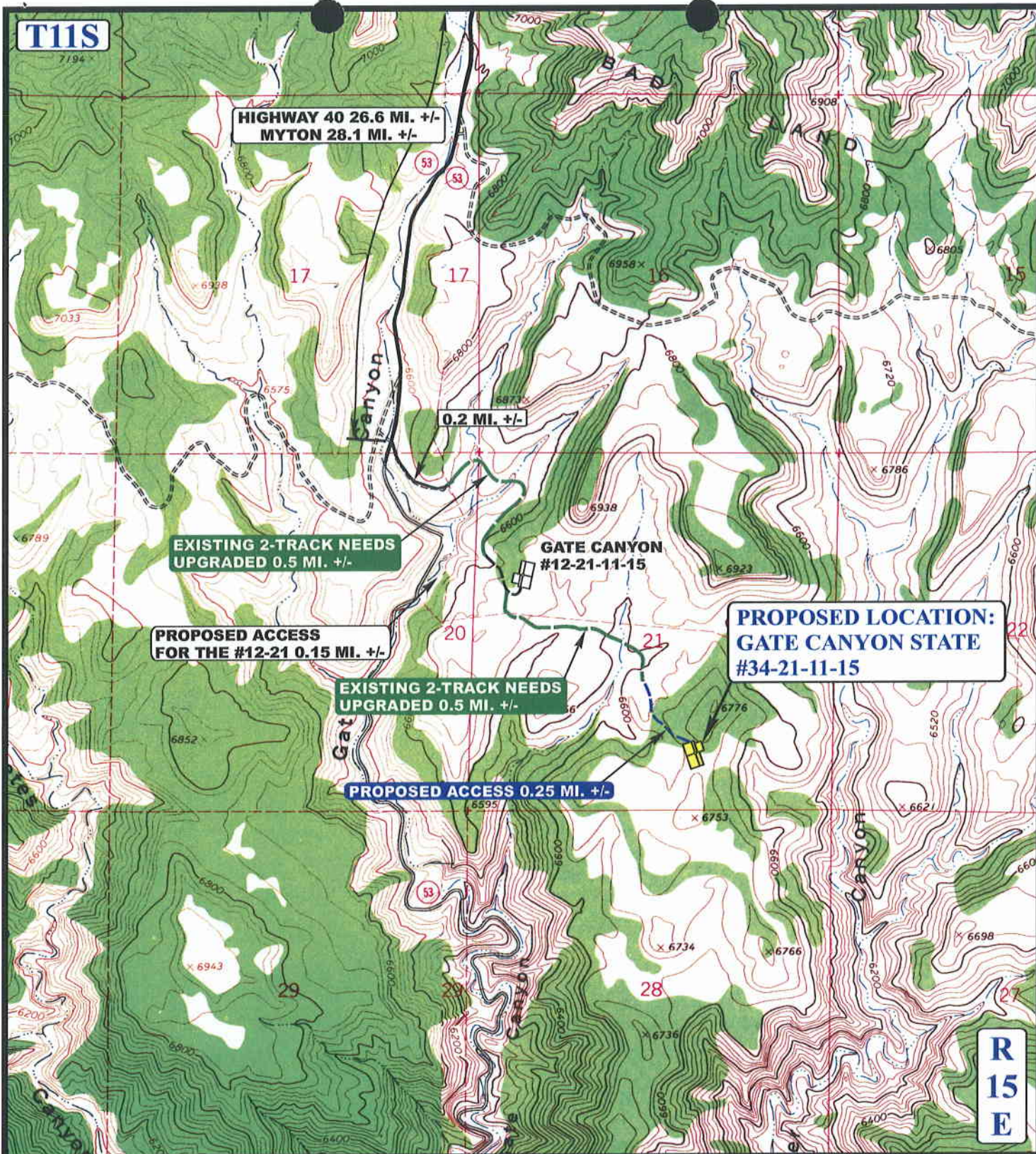
TAKEN BY: B.B.

DRAWN BY: C.H.

REVISED: 00-00-00



**T11S**



**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED



**GASCO PRODUCTION COMPANY**

**GATE CANYON STATE #34-21-11-15**  
**SECTION 21, T11S, R15E, S.L.B.&M.**  
**845' FSL 1995' FEL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

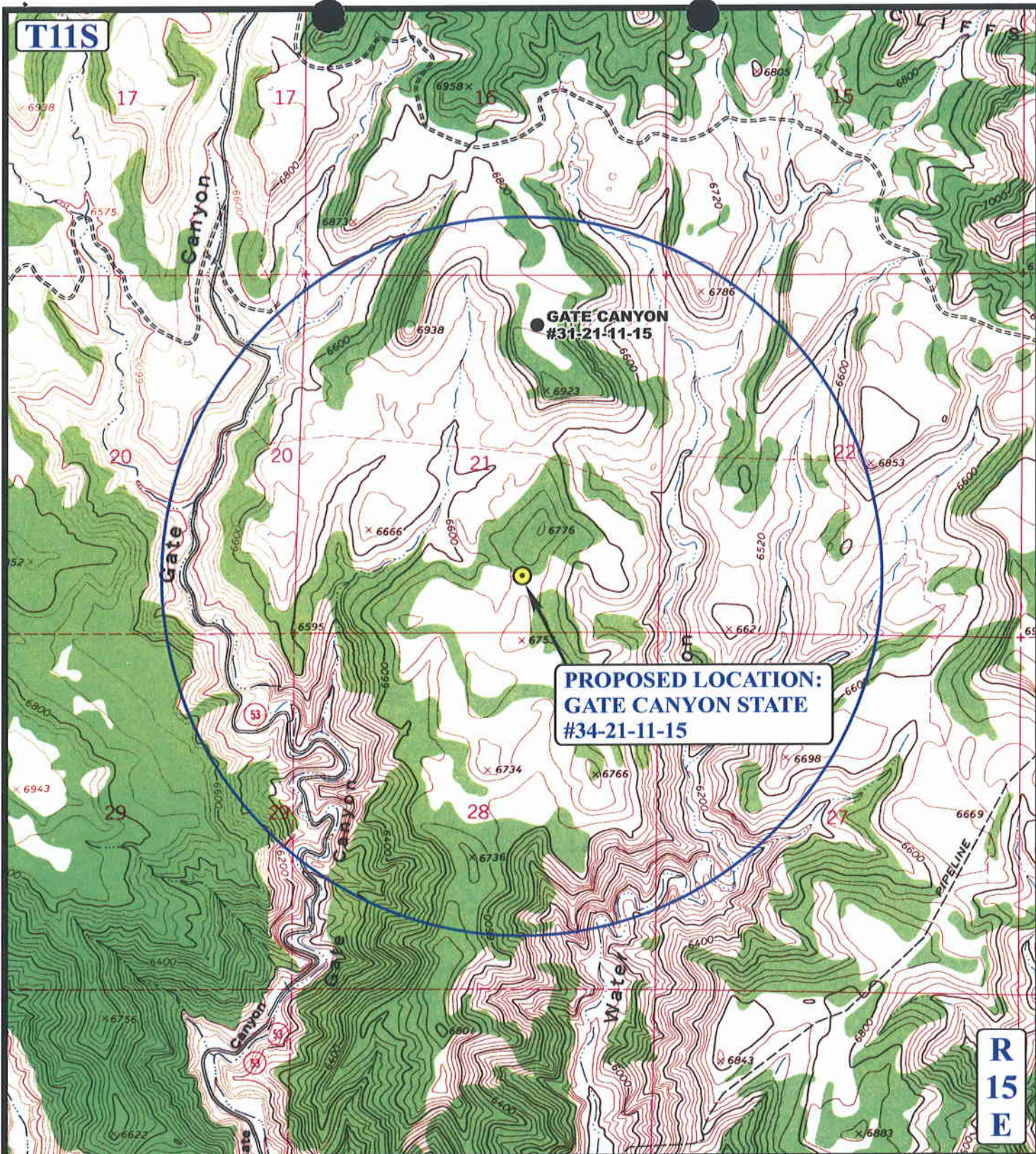
**TOPOGRAPHIC**  
**MAP**

**03 09 05**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00

**B**  
**TOPO**





# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



## GASCO PRODUCTION COMPANY

GATE CANYON STATE #34-21-11-15  
SECTION 21, T11S, R15E, S.L.B.&M.  
845' FSL 1995' FEL



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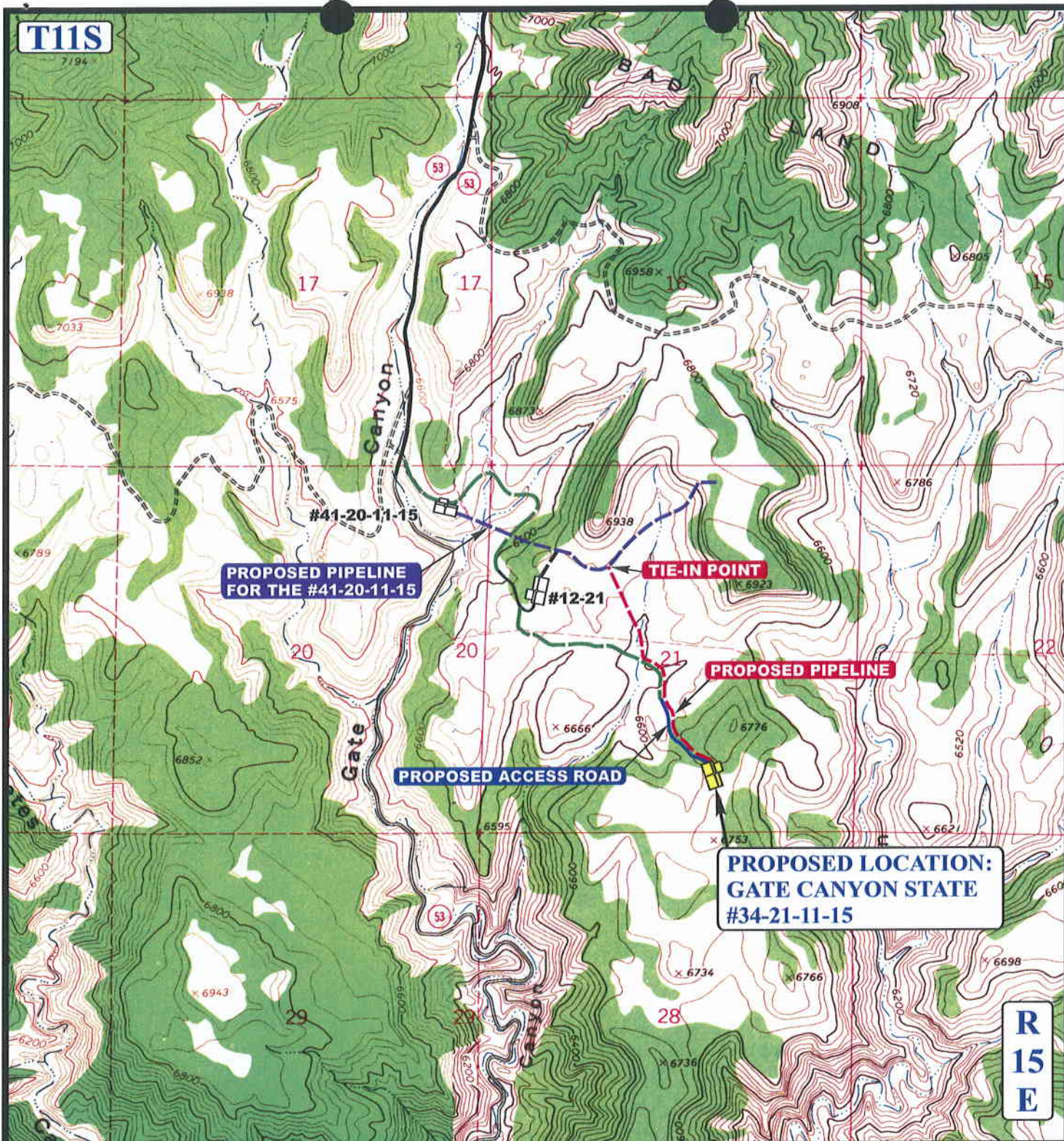
TOPOGRAPHIC  
MAP

03 09 05  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00







**APPROXIMATE TOTAL PIPELINE DISTANCE = 3426' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



**GASCO PRODUCTION COMPANY**

**GATE CANYON STATE #34-21-11-15**  
**SECTION 21, T11S, R15E, S.L.B.&M.**  
**845' FSL 1995' FEL**



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 85 South 200 East Vernal, Utah 84078  
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**TOPOGRAPHIC**  
**MAP**

**03 09 05**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.H. REVISED: 00-00-00





003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/28/2005

API NO. ASSIGNED: 43-013-32777

WELL NAME: GATE CYN ST 34-21-11-15

OPERATOR: GASCO PRODUCTION ( N2575 )

CONTACT: VENESSA LANGMACHER

PHONE NUMBER: 303-857-9999

## PROPOSED LOCATION:

SWSE 21 110S 150E

SURFACE: 0845 FSL 1995 FEL

BOTTOM: 0845 FSL 1995 FEL

DUCHESNE

WILDCAT ( 1 )

LEASE TYPE: 3 - State

LEASE NUMBER: ML-<sup>49308</sup>~~45600~~

SURFACE OWNER: 3 - State

PROPOSED FORMATION: BLKHK

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date    |
|-------------|----------|---------|
| Engineering | DKD      | 4/15/05 |
| Geology     |          |         |
| Surface     |          |         |

LATITUDE: 39.83777

LONGITUDE: -110.2366

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 04127763 )☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit  
(No. 43-1723 )☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

☐ R649-2-3.Unit GATE CANYON☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells☐ R649-3-3. Exception☐ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

☐ R649-3-11. Directional Drill

## COMMENTS:

Needs Permit (04-07-05)

## STIPULATIONS:

1- Spacing Strip  
2- STATEMENT OF BASIS

T11S R15E

GATE CANYON UNIT

MIDDLE BENCH UNIT  
TERMINATED

GATE CYN ST  
23-16-11-15

GATE CYN  
41-20-11-15

GATE CYN  
31-21-11-15

GATE CYN ST  
12-21-11-15

GATE CYN ST  
34-21-11-15

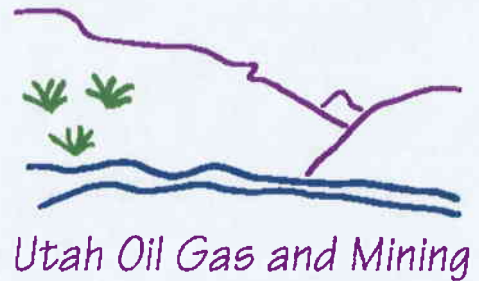
OPERATOR- GASCO PROD CO (N2575)

SEC. 21 T.11S R.15E

FIELD: WILDCAT (001)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Wells

- ✱ GAS INJECTION
- ✱ GAS STORAGE
- ✕ LOCATION ABANDONED
- ⊕ NEW LOCATION
- ⬠ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ✱ SHUT-IN GAS
- ✱ SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ⚡ WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 28 MARCH-2005

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** Gasco Production Company  
**WELL NAME & NUMBER:** Gate Canyon State #34-21-11-15  
**API NUMBER:** 43-013-32777  
**LOCATION:** 1/4,1/4 SW/SE Sec: 21 TWP: 11S RNG: 15E 845 FSL 1995 FEL

**Geology/Ground Water:**

Gasco has proposed 170' of surface casing and 2,880' of intermediate casing at the proposed location. Both are to be cemented to surface. The base of the moderately saline water is estimated to at approximately 4,700'. A search of Division of Water Rights records shows no water wells within a 10,000' radius of the proposed location. The surface formation at this location is the Green River Formation. This area can be considered a recharge area for aquifers in the Green River Formation. The Green River Formation is made up of interbedded sands, limestones and shales. The proposed casing and cementing program should adequately protect the recharge area and any useable sources of ground water.

**Reviewer:** Brad Hill **Date:** 04/12/2005

**Surface:**

A presite inspection was scheduled and done by the division staff to take input and address issues regarding the drilling of this well. Ed Bonner with SITLA was invited to attend to represent the landowner interests could not make it; Floyd Bartlett with UDWR was also invited to address wildlife concerns for the area. Floyd was not able to attend but did email comments regarding wildlife issues and a seed mixture for the operator. Floyd termed the surface "Upland Pinion/Juniper—Big Sage Habitat," and classified it as "Deer and elk winter range of critical value." He recommends "A seasonal restriction from December 1 through March 15 is suggested for road construction, pad construction, drilling and work-over to reduce the disturbance to animals in the area during this critical period."

Three different seeps cross the access road into this location, one of which already has a culvert. The last spring surfaces approximately 150' north of access road and 0.35 miles north of location (see photos). This seep may or may not run year round, but probably does provide some drinking water for wildlife and range cattle. The location is staked on a north/south ridge with the well center in a shallow saddle. The surface slopes off to the east and west, with Water Canyon down slope of the location. Care should be taken with the reserve pit to prevent any seepage from it into adjacent canyons or sub-surface waters by utilizing a felt pad and synthetic liner. This well appears to be 5 feet north of the window of tolerance allowed by 40 acre spacing. The location was justifiably moved north to accommodate topography. Several old stones were piles up and left on the proposed location surface as seen in the attached photos. No other issues or problems were noted during the presite visit.

**Reviewer:** Dennis L. Ingram **Date:** April 7, 2005

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils with a felt subliner shall be properly installed in the reserve pit.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

OPERATOR: Gasco Production Company  
WELL NAME & NUMBER: Gate Canyon State #34-21-11-15  
API NUMBER: 43-013-32777  
LEASE: ML-49608 FIELD/UNIT: WILDCAT  
LOCATION: 1/4,1/4 SW/SE Sec: 21 TWP: 11S RNG: 15E 845 FSL 1995 FEL  
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.  
GPS COORD (UTM): X =0565319 E; Y =4409818 N SURFACE OWNER: SITLA

**PARTICIPANTS**

Dennis L. Ingram (DOGM) Shawn Elworthy (Gasco Production Company)

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Proposed 28.1 miles south of Myton, Utah down the Well's Draw county road, past the divide and the Wrinkles Road to the Gate Canyon 41-20-11-15 turn off, then east beyond that location another 1.25 miles. The location is staked on a broad east/west bench or plateau overlooking Water Canyon. The pad sets on a north/south, narrow ridge with the wellbore staked in a saddle of that ridge. The surface area drops off to the east and west. Water Canyon drains into Gate Canyon and eventually into Nine Mile.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Deer and elk winter range classified as critical in value, cattle grazing

PROPOSED SURFACE DISTURBANCE: Proposed upgrading 0.5 miles plus another 0.25 miles of new access and location measuring 380'x 165' with the reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Gate Canyon St#31-21-11-15

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Pipeline is proposed northeast and along access road then on north to existing tie-in from the #12-21. All production facilities shall remain on the location surface unless otherwise authorized by the SITLA or the Division.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed

ANCILLARY FACILITIES: None requested

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS?  
(EXPLAIN): NO

**WASTE MANAGEMENT PLAN:**

Submitted to the Division with Application to Drill and on record

## ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Water Canyon down slope to the east

FLORA/FAUNA: Upland Pinion/Juniper-Big Sage Habitat; Deer and elk winter range classified as critical in value

SOIL TYPE AND CHARACTERISTICS: Tan to light brown fine-grained sand with underlying shale or flagstone.

SURFACE FORMATION & CHARACTERISTICS: Green River

EROSION/SEDIMENTATION/STABILITY: Ongoing erosion and sedimentation, no stability problems anticipated

PALEONTOLOGICAL POTENTIAL: None observe during presite

## RESERVE PIT

CHARACTERISTICS: Proposed on the northeast corner of location in cut and nearly downwind from wellhead, measuring 100'x 150'x 10' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 20 points

## SURFACE RESTORATION/RECLAMATION PLAN

According to SITLA or re-contoured and shaped to nearly original condition and seeded as stipulated by the Utah Division of Wildlife Resources.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Operator didn't know whether the Arch report was completed and submitted to DOGM and SITLA, but was told to do so.

## OTHER OBSERVATIONS/COMMENTS

There are three seeps or spring that cross the access road into this location, the nearest one is just over ¼ mile north along access road, location surface slopes to east and west, wellbore staking is in a saddle of that ridge and show approximately 2 feet of cut at the wellhead, Water Canyon is located to the east and down slope from location, several flat, flagstone or limestone rocks are piled up on location site that were not removed by permittee,

## ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis Ingram  
DOGM REPRESENTATIVE

April 7, 2005 09:30 AM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

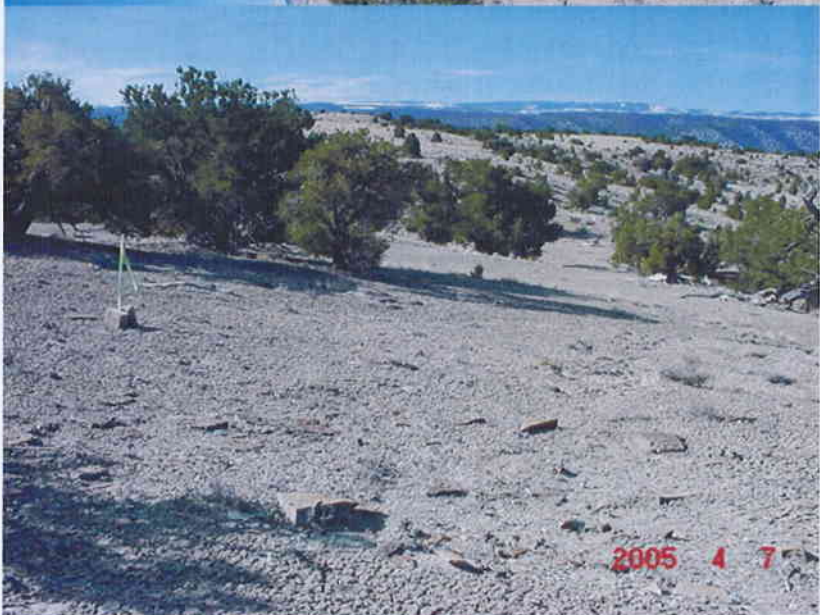
| <u>Site-Specific Factors</u>                            | <u>Ranking</u> | <u>Site Ranking</u> |
|---|----------------|---------------------|
| Distance to Groundwater (feet)                          |                |                     |
| >200  | 0              |                     |
| 100 to 200  | 5              |                     |
| 75 to 100   | 10             |                     |
| 25 to 75  | 15             |                     |
| <25 or recharge area                                    | 20             | <u>0</u>            |
| Distance to Surf. Water (feet)                          |                |                     |
| >1000   | 0              |                     |
| 300 to 1000   | 2              |                     |
| 200 to 300  | 10             |                     |
| 100 to 200  | 15             |                     |
| < 100   | 20             | <u>0</u>            |
| Distance to Nearest Municipal Well (feet)               |                |                     |
| >5280   | 0              |                     |
| 1320 to 5280  | 5              |                     |
| 500 to 1320   | 10             |                     |
| <500  | 20             | <u>0</u>            |
| Distance to Other Wells (feet)                          |                |                     |
| >1320   | 0              |                     |
| 300 to 1320   | 10             |                     |
| <300  | 20             | <u>0</u>            |
| Native Soil Type  |                |                     |
| Low permeability  | 0              |                     |
| Mod. permeability                                       | 10             |                     |
| High permeability                                       | 20             | <u>20</u>           |
| Fluid Type  |                |                     |
| Air/mist  | 0              |                     |
| Fresh Water   | 5              |                     |
| TDS >5000 and <10000                                    | 10             |                     |
| TDS >10000 or Oil Base Mud Fluid                        | 15             |                     |
| containing significant levels of hazardous constituents | 20             | <u>0</u>            |
| Drill Cuttings  |                |                     |
| Normal Rock   | 0              |                     |
| Salt or detrimental                                     | 10             | <u>0</u>            |
| Annual Precipitation (inches)                           |                |                     |
| <10   | 0              |                     |
| 10 to 20  | 5              |                     |
| >20   | 10             | <u>0</u>            |
| Affected Populations                                    |                |                     |
| <10   | 0              |                     |
| 10 to 30  | 6              |                     |
| 30 to 50  | 8              |                     |
| >50   | 10             | <u>0</u>            |
| Presence of Nearby Utility                              |                |                     |
| Conduits  |                |                     |
| Not Present   | 0              |                     |
| Unknown   | 10             |                     |
| Present   | 15             | <u>0</u>            |

**Final Score**      20      (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use.

Sensitivity Level II = 15-19; lining is discretionary.

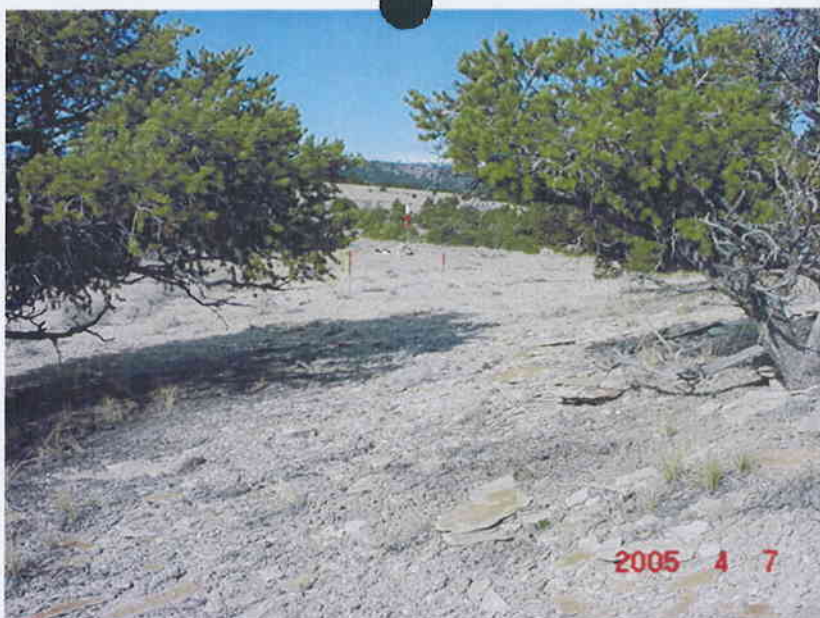
Sensitivity Level III = below 15; no specific lining is required.



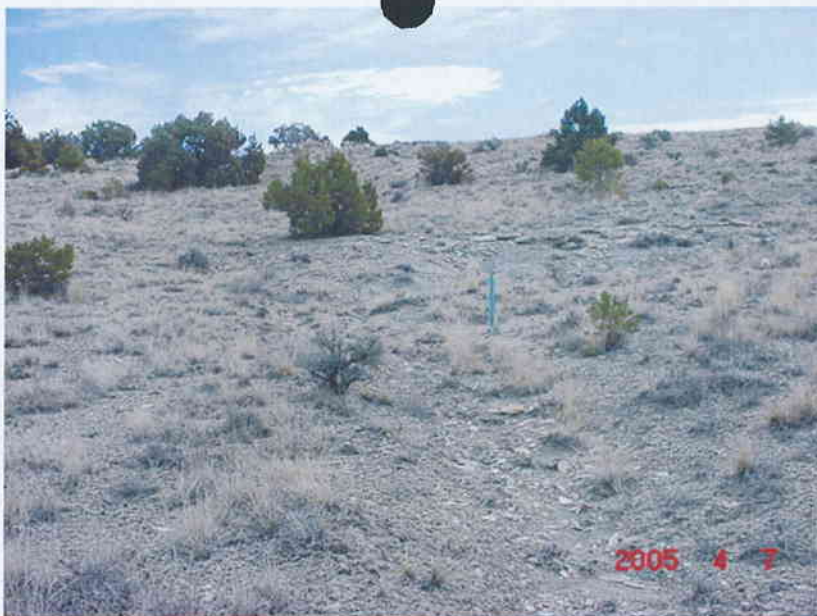




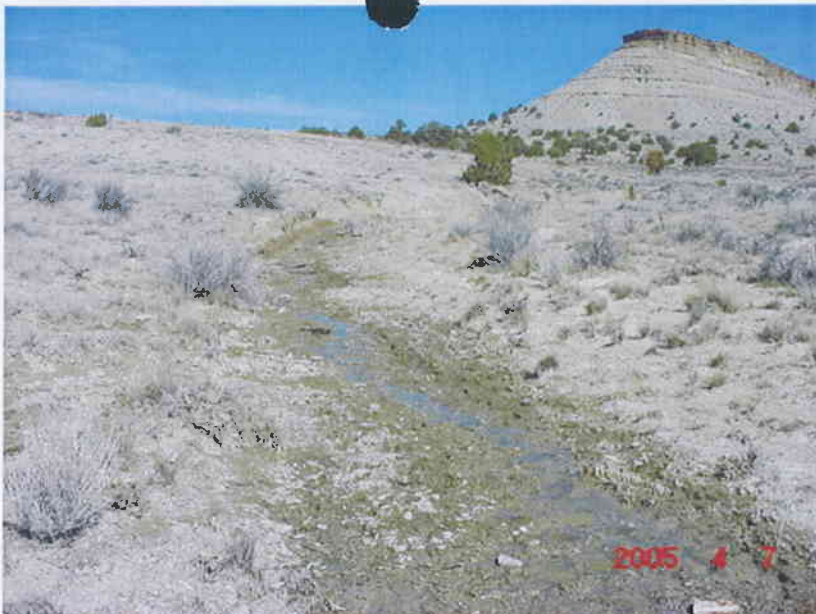






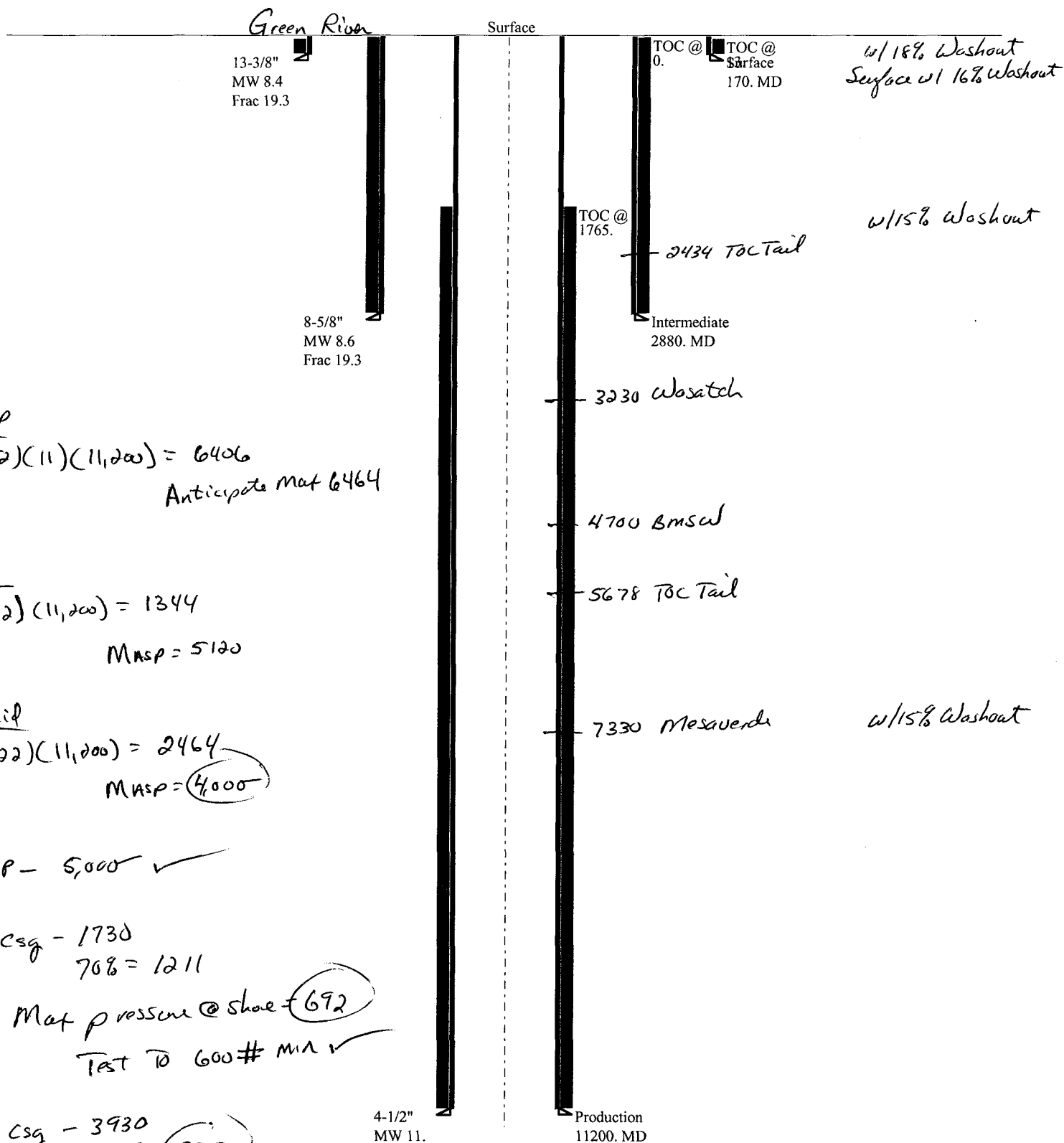






# 04-05 Gasco Gate Cyn 34-21-1-15

## Casing Schematic



BHP

$$(1.052)(11)(11,200) = 6406$$

Anticipate mat 6464

Gao

$$(1.12)(11,200) = 1344$$

MASP = 5120

Fluid

$$(1.22)(11,200) = 2464$$

MASP = 4000

BOP - 5,000 ✓

Surf csg - 1730

70% = 1211

Mat pressure @ shoe = 692

Test to 600# min ✓

Int csg - 3930

70% = 2751

Mat pressure @ shoe = 4634

Test to 2700# min. ✓

✓ Adequate DWD 4/15/05

Well name:

**04-05 Gasco Gate Cyn 34-21-11-15**

Operator:

**Gasco Production Company**

String type:

Surface

Project ID:

43-013-32777

Location:

Duchesne

**Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 77 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 170 ft

Cement top: 13 ft

**Burst**

Max anticipated surface pressure:

941 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 961 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 149 ft

**Re subsequent strings:**

Next setting depth: 2,880 ft

Next mud weight: 8.600 ppg

Next setting BHP: 1,287 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,800 ft

Injection pressure 1,800 psi

| Run<br>Seq | Segment<br>Length<br>(ft) | Size<br>(in)                  | Nominal<br>Weight<br>(lbs/ft) | Grade                  | End<br>Finish              | True Vert<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Drift<br>Diameter<br>(in)     | Internal<br>Capacity<br>(ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1          | 170                       | 13.375                        | 48.00                         | H-40                   | ST&C                       | 170                        | 170                       | 12.59                         | 16                            |
| Run<br>Seq | Collapse<br>Load<br>(psi) | Collapse<br>Strength<br>(psi) | Collapse<br>Design<br>Factor  | Burst<br>Load<br>(psi) | Burst<br>Strength<br>(psi) | Burst<br>Design<br>Factor  | Tension<br>Load<br>(Kips) | Tension<br>Strength<br>(Kips) | Tension<br>Design<br>Factor   |
| 1          | 74                        | 740                           | 9.975                         | 961                    | 1730                       | 1.80                       | 7                         | 322                           | 44.99 J                       |

Prepared by: Clinton Dworshak  
Utah Div. of Oil & MiningPhone: 801-538-5280  
FAX: 801-359-3940Date: April 13, 2005  
Salt Lake City, Utah

## Remarks:

Collapse is based on a vertical depth of 170 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

**04-05 Gasco Gate Cyn 34-21-11-15**

Operator:

**Gasco Production Company**

String type:

**Intermediate**

Project ID:

**43-013-32777**

Location:

**Duchesne****Design parameters:****Collapse**

Mud weight: 8.600 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 115 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 170 ft

Cement top: Surface

**Burst**

Max anticipated surface

pressure: 2,534 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 2,880 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

**Re subsequent strings:**

Next setting depth: 11,200 ft

Next mud weight: 11.000 ppg

Next setting BHP: 6,400 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 2,880 ft

Injection pressure 2,880 psi

Tension is based on buoyed weight.

Neutral point: 2,512 ft

| Run<br>Seq | Segment<br>Length<br>(ft) | Size<br>(in)                  | Nominal<br>Weight<br>(lbs/ft) | Grade                  | End<br>Finish              | True Vert<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Drift<br>Diameter<br>(in)     | Internal<br>Capacity<br>(ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1          | 2880                      | 8.625                         | 32.00                         | J-55                   | ST&C                       | 2880                       | 2880                      | 7.875                         | 183                           |
| Run<br>Seq | Collapse<br>Load<br>(psi) | Collapse<br>Strength<br>(psi) | Collapse<br>Design<br>Factor  | Burst<br>Load<br>(psi) | Burst<br>Strength<br>(psi) | Burst<br>Design<br>Factor  | Tension<br>Load<br>(Kips) | Tension<br>Strength<br>(Kips) | Tension<br>Design<br>Factor   |
| 1          | 1287                      | 2530                          | 1.966                         | 2880                   | 3930                       | 1.36                       | 80                        | 372                           | 4.63 J                        |

Prepared Clinton Dworshak  
by: Utah Div. of Oil & MiningPhone: 801-538-5280  
FAX: 801-359-3940Date: April 13, 2005  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 2880 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

**04-05 Gasco Gate Cyn 34-21-11-15**

Operator:

**Gasco Production Company**

String type:

**Production**

Project ID:

**43-013-32777**

Location:

**Duchesne****Design parameters:****Collapse**

Mud weight: 11.000 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 232 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 1,765 ft

**Burst**

Max anticipated surface

pressure: 5,056 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 6,400 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 9,381 ft

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Internal Capacity (ft³) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-------------------------|
| 1       | 11200               | 4.5                     | 13.50                   | P-110            | LT&C                 | 11200                | 11200               | 3.795                   | 298.3                   |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor   |
| 1       | 6400                | 10680                   | 1.669                   | 6400             | 12410                | 1.94                 | 127                 | 338                     | 2.67 J                  |

Prepared by: Clinton Dworshak  
Utah Div. of Oil & MiningPhone: 801-538-5280  
FAX: 801-359-3940Date: April 13, 2005  
Salt Lake City, Utah

## Remarks:

Collapse is based on a vertical depth of 11200 ft, a mud weight of 11 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 5/23/2005 1:26:30 PM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

QEP Uinta Basin, Inc  
WH 2G-2-7-24  
WH 4G-2-7-24

Dominion Exploration & Production  
RBU 3-16E  
RBU 4-16E  
WHB 12-36E

Gasco Production Company  
Gate Canyon State 34-21-11-15

If you have any questions regarding this matter please give me a call.

**CC:** Garrison, LaVonne; Hill, Bonnie; Hunt, Gil



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

March 29, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2005 Plan of Development Gate Canyon Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2005 within the Gate Canyon Unit, Duchesne County, Utah.

| API #                   | WELL NAME  | LOCATION |
|-------------------------|--|----------|
| (Proposed PZ Blackhawk) |  |          |
| 43-013-32777            | GCU State 34-21-11-15 Sec 21 T11S R15E 0845 FSL 1995 FEL |          |

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Gate Canyon Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:3-29-05

**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 24, 2005

Gasco Production Company  
14 Inverness Drive East, Suite #H236  
Englewood, CO 80112

Re: Gate Canyon State #34-21-11-15 Well, 845' FSL, 1995' FEL, SW SE, Sec. 21,  
T. 11 South, R. 15 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32777.

Sincerely,

*for* Gil Hunt  
Acting Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
SITLA  
Bureau of Land Management, Vernal District Office

Operator: Gasco Production Company  
Well Name & Number Gate Canyon State #34-21-11-15  
API Number: 43-013-32777  
Lease: ML-49308

Location: SW SE Sec. 21 T. 11 South R. 15 East

### Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2

API #43-013-32777

May 24, 2005

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

|  |  |  |
|--|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.<br>Use APPLICATION FOR PERMIT -- for such proposals |  | 6. Lease Designation and Serial Number<br><b>ML-49308</b>        |
|  |  | 7. Indian Allottee or Tribe Name<br><b>N/A</b>                   |
|  |  | 8. Unit or Communitization Agreement<br><b>Gate Canyon</b>       |
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)   |  | 9. Well Name and Number<br><b>Gate Canyon State #34-21-11-15</b> |
| 2. Name of Operator<br><b>Gasco Production Company</b>   |  | 10. API Well Number<br><b>43-013-32777</b>                       |
| 3. Address of Operator<br><b>8 Inverness Drive East, Suite 100, Englewood, CO 80112</b>  | 4. Telephone Number<br><b>303/483-0044</b> | 11. Field and Pool, or Wildcat<br><b>Wildcat</b>                 |
| 5. Location of Well<br>Footage : <b>845' FSL and 1995' FEL</b> County : <b>Duchesne</b><br>QQ, Sec, T., R., M. : <b>SW SE Section 21, T11S - R15E</b> State : <b>Utah</b>  |  |  |
| 12. <b>CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>   |  |  |

|  |   |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
|--|---|---|--|---|--|---------------------------------------|--|---|---|--|--|---|---|--|---|--|---|--|---|--|---|--|--|---|---|--------------------------------------|--|
| <p style="text-align: center;"><b>NOTICE OF INTENT</b><br/>(Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <u><b>Request 1 year extension of APD</b></u></td> </tr> </table> <p>Approximate Date Work Will Start _____</p> | <input type="checkbox"/> Abandonment          | <input type="checkbox"/> New Construction | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing | <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion | <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare | <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off | <input checked="" type="checkbox"/> Other <u><b>Request 1 year extension of APD</b></u> |  | <p style="text-align: center;"><b>SUBSEQUENT REPORT</b><br/>(Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.<br/>       * Must be accompanied by a cement verification report.</small></p> | <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing | <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize | <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off | <input type="checkbox"/> Other _____ |  |
| <input type="checkbox"/> Abandonment   | <input type="checkbox"/> New Construction     |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Casing Repair   | <input type="checkbox"/> Pull or Alter Casing |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Change of Plans   | <input type="checkbox"/> Recompletion         |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Conversion to Injection   | <input type="checkbox"/> Shoot or Acidize     |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Fracture Treat  | <input type="checkbox"/> Vent or Flare        |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Multiple Completion   | <input type="checkbox"/> Water Shut-Off       |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input checked="" type="checkbox"/> Other <u><b>Request 1 year extension of APD</b></u>  |   |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Abandonment *   | <input type="checkbox"/> New Construction     |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Casing Repair   | <input type="checkbox"/> Pull or Alter Casing |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Change of Plans   | <input type="checkbox"/> Shoot or Acidize     |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Conversion to Injection   | <input type="checkbox"/> Vent or Flare        |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Fracture Treat  | <input type="checkbox"/> Water Shut-Off       |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |
| <input type="checkbox"/> Other _____   |   |   |  |   |  |                                       |  |   |   |  |  |   |   |  |   |  |   |  |   |  |   |  |  |   |   |                                      |  |

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

**Gasco Production Company requests a one year extension of the subject APD.**

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
 Date: 04-06-06  
 By: [Signature]

4-14-06  
 CJO

14. I hereby certify that the foregoing is true and correct.

|   |  |                             |
|---|--|-----------------------------|
| Name & Signature <u><i>Venessa Langmackey</i></u> | Title <u><b>Gasco Production Company</b></u> | Date <u><b>04/04/06</b></u> |
| (State Use Only)                                  |  |                             |

**RECEIVED**  
**APR 06 2006**  
 DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32777

**Well Name:** Gate Canyon State #34-21-11-15

**Location:** SW SE Section 21, T11S - R15E

**Company Permit Issued to:** Gasco Production Company

**Date Original Permit Issued:** 5/24/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If location on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which would require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Venessa Langmacher  
Venessa Langmacher - Permitco Inc.

April 4, 2006  
Date

Title: Consultant for Gasco Production Company

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**APR 06 2006**  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|  |  |   |
|--|--|---|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____                    |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>ML-49308       |
| 2. NAME OF OPERATOR:<br>Gasco Production Company   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>NA               |
| 3. ADDRESS OF OPERATOR:<br>8 Inverness Dr E, Ste 100 CITY Englewood STATE Co 80112   |  | 7. UNIT or CA AGREEMENT NAME:<br>Gate Canyon              |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: 845' FSL & 1995' FEL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 21 11S 15E |  | 8. WELL NAME and NUMBER:<br>Gate Canyon State 34-21-11-15 |
| PHONE NUMBER:<br>(303) 483-0044  |  | 9. API NUMBER:<br>4301332777                              |
| COUNTY: Duchesne   |  | 10. FIELD AND POOL, OR WILDCAT:<br>Wildcat                |
| STATE: UTAH  |  |   |

| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |   |   |   |
|---|---|---|---|
| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |   |
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION          |
|   | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL               |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                    |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                          |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                          |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                         |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                         |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: <u>Extend Permit</u> |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company would like to request a one year extension on this APD from the date it is due to expire (April 6, 2007)

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 04-05-07  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 4/6/07  
Initials: RM

|   |                               |
|---|-------------------------------|
| NAME (PLEASE PRINT) <u>Beverly Walker</u> | TITLE <u>Engineering Tech</u> |
| SIGNATURE <u>[Signature]</u>              | DATE <u>3/28/2007</u>         |

(This space for State use only)

RECEIVED

MAR 30 2007

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4301332777  
**Well Name:** Gate Canyon State 34-21-11-15  
**Location:** SW SE Section 21-T11S-R15E Duchesne County  
**Company Permit Issued to:** Gasco Production Company  
**Date Original Permit Issued:** 5/24/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

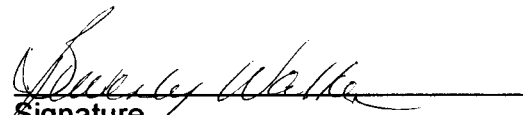
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

3/28/2007

Date

Title: Engineering Technician

Representing: Gasco Production Company

RECEIVED

MAR 30 2007

DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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|  |  |   |
|--|--|---|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____                    |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>ML-49308       |
| 2. NAME OF OPERATOR:<br>Gasco Production Company   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>NA               |
| 3. ADDRESS OF OPERATOR:<br>8 Inverness Dr E, Ste 100 CITY Englewood STATE Co ZIP 80112   |  | 7. UNIT or CA AGREEMENT NAME:<br>Gate Canyon              |
| PHONE NUMBER:<br>(303) 483-0044  |  | 8. WELL NAME and NUMBER:<br>Gate Canyon State 34-21-11-15 |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: 845' FSL & 1995' FEL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 21 11S 15E |  | 9. API NUMBER:<br>4301332777                              |
| COUNTY: Duchesne   |  | 10. FIELD AND POOL, OR WILDCAT:<br>Wildcat                |
| STATE: UTAH  |  |   |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |   |
|---|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION          |
|   | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL               |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                    |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                          |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                          |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                         |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                         |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: <u>Extend Permit</u> |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company would like to request a one year extension on this APD from the date it is due to expire (April 5, 2008)

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 04-01-08  
By: [Signature]

COPY SENT TO OPERATOR

Date: 4.4.2008

Initials: KS

RECEIVED

APR 01 2008

DIV. OF OIL, GAS & MINING

|   |                               |
|---|-------------------------------|
| NAME (PLEASE PRINT) <u>Beverly Walker</u> | TITLE <u>Engineering Tech</u> |
| SIGNATURE <u>[Signature]</u>              | DATE <u>3/28/2008</u>         |

(This space for State use only)



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4301332777  
**Well Name:** Gate Canyon State 34-21-11-15  
**Location:** SW SE Section 21-T11S-R15E Duchesne County  
**Company Permit Issued to:** Gasco Production Company  
**Date Original Permit Issued:** 5/24/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

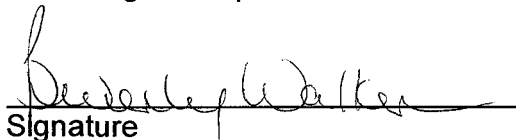
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

3/28/2008

Date

Title: Engineering Technician

Representing: Gasco Production Company

**RECEIVED**  
**APR 01 2008**  
DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 9, 2009

Gasco Production Company  
8 Inverness Dr. East, Ste. 100  
Englewood, CO 80112

Re: APD Rescinded – Gate Canyon #34-21-11-15, Sec. 21 T. 11S, R. 15E  
Duchesne County, Utah API No. 43-013-32777

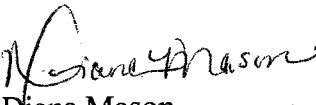
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on May 24, 2005. On April 6, 2006, April 5, 2007 and on April 1, 2008 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective April 6, 2009.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
SITLA, Ed Bonner



|  |  |  |
|--|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-49308 |
| <b>1. TYPE OF WELL</b><br>Gas Well   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br>       |
| <b>2. NAME OF OPERATOR:</b><br>GASCO PRODUCTION COMPANY  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GATE CANYON        |
| <b>3. ADDRESS OF OPERATOR:</b><br>8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112   |  | <b>8. WELL NAME and NUMBER:</b><br>GATE CYN ST 34-21-11-15 |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0845 FSL 1995 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWSE Section: 21 Township: 11.0S Range: 15.0E Meridian: S  |  | <b>9. API NUMBER:</b><br>43013327770000                    |
| <b>PHONE NUMBER:</b><br>303 483-0044 Ext   |  | <b>9. FIELD and POOL or WILDCAT:</b><br>GATE CANYON        |
| <b>COUNTY:</b><br>DUCHESNE   |  | <b>STATE:</b><br>UTAH                                      |

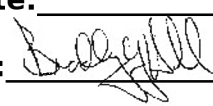
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
|--|---|---|--|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br>1/7/2011<br><br><input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:<br><br><input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:<br><br><input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date: | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input checked="" type="checkbox"/> <b>WATER DISPOSAL</b><br><input type="checkbox"/> APD EXTENSION<br>OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px; vertical-align: middle;"></span> |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Gasco would like to dispose of water at Integrated Water management, LLC state approved commercial disposal facility located in Section 30, 2 south Range 4 west in North Blue Bench UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** 12/30/2010

**By:** 

|  |                                     |                                |
|--|-------------------------------------|--------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Roger Knight | <b>PHONE NUMBER</b><br>303 996-1803 | <b>TITLE</b><br>EHS Supervisor |
| <b>SIGNATURE</b><br>N/A                    |                                     | <b>DATE</b><br>12/29/2010      |